

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference H0003451	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 02/ 37481	International filing date (day/month/year) 21/11/2002	(Earliest) Priority Date (day/month/year) 11/12/2001
Applicant HONEYWELL INTERNATIONAL INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
2. ☐ **Certain claims were found unsearchable** (See Box I).
3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- ☒ as suggested by the applicant. 3
- ☐ because the applicant failed to suggest a figure. ☐ None of the figures.
- ☐ because this figure better characterizes the invention.

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An improved air outflow valve (100) having a cable assembly (402) that enhances its reliability. In a particular embodiment, the cable assembly couples the diaphragm to the control arm (302) of the air outflow valve and includes a retainer and a cable. The retainer has a cavity to slidably accept the end of the cable when the valve is operated in a manual mode. Thus, bending or kinking of the cable is substantially inhibited or prevented, resulting in improved valve reliability. The improved cable assembly also is available as a retrofit kit and a method of retrofitting an existing valve is also provided.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B64D13/04 F16K31/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B64D F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 238 220 A (VU DUNG T ET AL) 24 August 1993 (1993-08-24) abstract figures	1
A	GB 1 321 897 A (GARRETT CORP) 4 July 1973 (1973-07-04) figure 2	1
A	US 5 307 837 A (WYNKOOP CHRISTOPHER K ET AL) 3 May 1994 (1994-05-03) abstract figures 3,4	1
A	US 4 523 609 A (WECK FRANZ) 18 June 1985 (1985-06-18) abstract figures 1-9	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

3 April 2003

Date of mailing of the international search report

11/04/2003

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5238220	A	24-08-1993	NONE	
GB 1321897	A	04-07-1973	CA 937551 A1	27-11-1973
US 5307837	A	03-05-1994	US 5230365 A AU 4786193 A WO 9410486 A1	27-07-1993 24-05-1994 11-05-1994
US 4523609	A	18-06-1985	DE 3227882 A1 AT 393899 B AT 233683 A BE 897380 A1 CH 658713 A5 ES 8404038 A1 FR 2530774 A1 GB 2124738 A ,B IT 1163823 B NL 8302413 A	26-01-1984 27-12-1991 15-06-1991 14-11-1983 28-11-1986 01-07-1984 27-01-1984 22-02-1984 08-04-1987 16-02-1984